



## Flavio Herberg de Alonso

Clinical Assistant Professor, Comparative Medicine

### Bio

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#### BIO

Dr. Alonso received his DVM degree from the University of Brasilia, Brazil, in 2012, and in 2013 he moved to Belo Horizonte to do a 2-year-long internship program in veterinary clinical pathology at the Federal University of Minas Gerais Veterinary School, Brazil. There he also pursued and obtained his doctoral degree from the Department of Clinics and Surgery of the same institution, where him and his team developed a novel multiple regression model to classify canine cavitory effusions using biochemical parameters. Between 2015 and 16 he worked as a consulting clinical pathologist for private labs and in 2021 he completed a residency in veterinary clinical pathology at the UC Davis veterinary medical teaching hospital, USA, being awarded with the best research study in small animals when investigating the lipoprotein profile of canine and feline cavitory transudates. In 2022 he became board certified in clinical pathology by the American College of Veterinary Pathology and, between the years of 2021 and 2022, he served as an assistant professor of clinical pathology at the Ross University School of Veterinary Medicine, in the West Indies, for 4 semesters. There he had a research grant proposal approved to study the epidemiologic and hematologic aspects of *Dirofilaria* spp. infection in cats in the Caribbean. In 2023, he joined the Department of Comparative Medicine as a clinical assistant professor and director of the animal diagnostic laboratory.

#### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Comparative Medicine

#### ADMINISTRATIVE APPOINTMENTS

- Director, Animal Diagnostic Laboratory, Stanford University, School of Medicine, Department of Comparative Medicine, (2023- present)

#### HONORS AND AWARDS

- Gerald V. Ling Award - Outstanding Small Animal Research Study and Presentation, University of California, Davis, Veterinary Medical Teaching Hospital (2021)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Diplomate, American College of Veterinary Pathologists (2022 - present)

#### PROFESSIONAL EDUCATION

- Resident, University of California, Davis, School of Veterinary Medicine, Veterinary Medical Teaching Hospital , Clinical Pathology (2021)
- PhD, Universidade Federal de Minas Gerais , Laboratory Medicine and Pathology (2019)
- DVM, Universidade de Brasília (2012)

### Publications

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#### PUBLICATIONS

- **Can nematode infection cause internal bleeding in dogs? A case of *Dirofilaria immitis* infection in cavitory fluids.** *Veterinary clinical pathology*  
Alonso, F. H., Shapiro, K., Camp, L. E.

2024

- **Dyspnea, nonproductive cough, and inappetence in an 8-year-old mixed-breed dog.** *Journal of the American Veterinary Medical Association*  
Feng, J., de Rosayro, R., Peda, A., Alonso, F. H., Bolfa, P.  
2023: 1-4
- **Agglutination and hemolytic crossmatching to determine transfusion reaction differences between large and small breed goats** *JOURNAL OF VETERINARY INTERNAL MEDICINE*  
Kretsch, C. M., Alonso, F. H., Buktenica, M., Heller, M. C.  
2023
- **Validation and method comparison for a point-of-care lateral flow assay measuring equine whole blood insulin concentrations** *JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION*  
Berryhill, E. H., Urbina, N. S., Marton, S., Vernau, W., Alonso, F. H.  
2023; 35 (2): 124-131
- **Exertional hemolysis and hematuria in a Labrador Retriever dog** *JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION*  
Saint-Pierre, L. M., Burkitt-Creedon, J. M., H. Alonso, F., Wun, M. K.  
2022; 34 (6): 968-971
- **Case Report: Cytologic Description of Somatotroph Pituitary Adenoma in a Cat** *FRONTIERS IN VETERINARY SCIENCE*  
Alonso, F. H., Niedringhaus, K. D., Ceregatti, M. G., Maglaty, M. A.  
2022; 9: 934009
- **Laboratory diagnosis of canine uroperitoneum based on cellular and biochemical characteristics of serum and abdominal fluid** *VETERINARY CLINICAL PATHOLOGY*  
Paes, P. O., Alonso, F. H., Chaves, N. G., Andrade, A. M., Ceregatti, M. G., Horta, R. S.  
2022; 51 (1): 107-111
- **Lipoprotein profile of pleural and peritoneal transudates in dogs and cats** *JOURNAL OF VETERINARY INTERNAL MEDICINE*  
Alonso, F. H., Behling-Kelly, E., Borjesson, D. L.  
2022; 36 (2): 464-472
- **Glucose and Lactate Reference Intervals for White Sturgeon and Evaluation of Two Point-of-Care Devices in Sturgeon Infected with *Veronaea botryosa*** *JOURNAL OF AQUATIC ANIMAL HEALTH*  
Hagen, K. B., Lima, K., Ang, J., Montealegre-Golcher, F., Alonso, F. H., Soto, E.  
2022; 34 (1): 28-37
- **Atypical cytomorphologic description of a seminoma in a rabbit** *VETERINARY MEDICINE AND SCIENCE*  
Alonso, F. H.  
2022; 8 (1): 121-124
- **Pathology in Practice** *JAVMA-JOURNAL OF THE AMERICAN VETERINARY MEDICAL ASSOCIATION*  
Alonso, F. H., Choi, E., Borchers, A., Darling, S. L., Vasilatis, D., Kol, A.  
2021; 259: 1-4
- **The predominance and diagnostic value of neutrophils in differentiating transudates and exudates in dogs** *VETERINARY CLINICAL PATHOLOGY*  
Alonso, F. H., Christopher, M. M., Paes, P. O.  
2021; 50 (3): 384-393
- **Evaluation of a new multiple regression model based on biochemical parameters for the distinction of canine exudates and transudates** *VETERINARY CLINICAL PATHOLOGY*  
Alonso, F. H., Mattoso, C. S., Leme, F. P., Paes, P. O.  
2021; 50 (3): 394-403
- **Gelatinous transformation of bone marrow in a rabbit** *JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION*  
Alonso, F. H., Tarbert, D. K., Wu, B., Rodriguez, P., Christopher, M. M.  
2021; 33 (6): 1183-1187
- **Mandibular metastasis of a prostatic carcinoma in a dog** *VETERINARY MEDICINE AND SCIENCE*  
Michalak, S. R., Woerde, D. J., Wilson, S. S., Alonso, F. H., Hardy, B. T.

2021; 7 (5): 1488-1492

- **Canine leishmaniasis in Northern California-A case report** *VETERINARY CLINICAL PATHOLOGY*

Alonso, F. H., Vasilatis, D. M., Veluvolu, S. M., Willcox, J. L., Scorza, B. M., Petersen, C. A., Kol, A.

2021; 50 (1): 71-75

- **What is your diagnosis? Peritoneal effusion in a 7-year-old dog** *VETERINARY CLINICAL PATHOLOGY*

Alonso, F. H., Roy, M. A., Kol, A.

2020; 49 (4): 678-680

- **Prognostic values of physical and hematological parameters of dogs naturally infected with parvovirus PVC-2: retrospective study of 103 cases** *ARQUIVO BRASILEIRO DE MEDICINA VETERINARIA E ZOOTECNIA*

Alves, F. S., Alonso, F. H., Horta, R. S., Barbosa, B. C., Beier, S., Paes, P. O.

2020; 72 (6): 2127-2134

- **Canine cavitory effusion: a retrospective study of 304 cases in Brazil** *ARQUIVO BRASILEIRO DE MEDICINA VETERINARIA E ZOOTECNIA*

Alonso, F. H., Bulla, C., Paes, P. O.

2019; 71 (3): 869-877